WATERPROOFING · PU INJECTION

# UNIPU Inject 2500 Flex

Two-component, water-reactive polyurethane injection foam

| 1.15 g/cm³ | 700–900 mPa·s | 2 h | +5 … +40 °C | > 130 °C |
|---|---|---|---|---|
| Density (25 °C) | Viscosity (25 °C) | Tack-free (25 °C, 55 % RH) | Application temperature | Flash point |

## Product description

**UNIPU INJECT 2500 FLEX** is a solvent-free, two-component, water-curing polyurethane injection foam system. It reacts in humid conditions and adheres well to wet surfaces.

## Application areas

- Pre-injection of cracks and joints in concrete
- Sealing water leaking or seeping through concrete, cracks and joint voids

## Advantages

- Solvent-free
- Injectable
- Reacts in humid conditions
- Good adhesion to wet surfaces

## Position in the system

**Injection foam** — UNIPU INJECT 2500 FLEX · + 1–10 % catalyst — THIS PRODUCT

**Injection packer** — Drilled into the crack / joint

**Concrete** — Leaking crack, joint or void

### Crack & joint injection

Stops active water leaks in concrete

## Technical data (at +20 °C)

| | | | |
|---|---|---|---|
| Density (25 °C) | 1.15 g/cm³ | Catalyst – appearance | Light brown / yellow |
| Viscosity (25 °C) | 700–900 mPa·s | Catalyst – viscosity | 60 cP |
| Tack-free (25 °C, 55 % RH) | 2 h | Catalyst – density | 0.94 g/cm³ |
| Flash point | > 130 °C | Catalyst – flash point | > 110 °C |
| Application temperature | +5 °C to +40 °C | Shelf life | 6 months |
| Catalyst dosage | 1–10 % | | |

unica | Boytem
BOYTEM BOYA VE KİMYA SANAYİ TİCARET LİMİTED ŞİRKETİ
Factory: Gümüşova OSB 1. Sk. No:4 İç Kapı No:1 Gümüşova / Düzce – TÜRKİYE
T +90 216 304 03 05 · F +90 216 304 12 15
unicaboya.com · info@unicaboya.com

## Application procedure

### 01
**Surface preparation**
If possible, wash with high pressure. Remove oil, rust, wax, dirt, cement residues, loose particles, release agents and curing membranes.

### 02
**Mixing**
First mix the resin with the catalyst (1–10 % depending on temperature and humidity). Keep the mix away from moisture and water.

### 03
**Injection**
Increase the pump pressure gradually until the required injection rate is reached.

### 04
**Injection level**
The quantity depends on the size of the void to be filled and the overall condition of the area.

## Catalyst dosage

**100 parts**

- **100 parts** — UNIPU INJECT 2500 FLEX resin
- **1–10 %** — Catalyst

Catalyst 1–10 % depending on ambient temperature and humidity. Keep the mixture away from moisture to avoid premature reaction.

**Application temperature**
**+5 … +40 °C**
Resin and catalyst at application temperature.

**Catalyst**
**1–10 %**
Higher dosage for faster reaction at low temperature.

**Tack-free**
**2 h**
At 25 °C and 55 % relative humidity.

**Important:** keep resin, catalyst and the mixture away from water and moisture until injection – contact starts the foaming reaction.

## Packaging

- Metal buckets and drums

## Storage

- Store in original closed containers in dry conditions at +5…+25 °C.
- Do not expose packs to direct sunlight.
- Shelf life: 12 months under these conditions.

## Safety

- Wear protective clothing, goggles, mask and gloves; avoid skin contact.
- On eye, mouth, nose or skin contact rinse with plenty of water for at least 15 min; seek medical help if needed.

LEGAL NOTE

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